Grant Information: Institution, Principal Investigator(s), Contact Information, Grant Number	**Biomineral Systems LLC** **Project:** Green and Sustainable In Situ Remediation of Heavy Metals Contaminated Soils and Aqueous Systems **Project Leader**: **Nadia Adam** **Funding Period:** 2021-2025 R43ES035347
Technology	**Succinct 1-2 sentence description of the technology you have developed/are developing.** Novel, patent-pending, sustainable, highly reactive, cation and anion heavy metals binding metal phosphate-based nanoremediation technology. Technology has been validated for contaminated soils and groundwater in current superfund sites.
Innovation	**Why is this technology/approach different than what is already in the market?** Unlike current technologies, our nanoremediation approach provides in situ, permanent, and synchronous stabilization/ removal without bioaccumulation, toxicity, and cumbersome formulations at cost.
Contaminant and Media	**Contaminants: What contaminant(s) does your project target? In what media? (e.g., groundwater, drinking water, soil, sediment)** Contaminants targeted include all heavy metals and uranium in groundwater, drinking water, soils, and sediments.
Sites/Samples	**We don't have any record of sites in our databases. Are you working on any sites and/or using real world samples? Please include Site Name, City, State.** Soils from the Colorado River Indian Tribe Reservation in Parker, Arizona, and Ak-Chin Tribe in Maricopa, Arizona.
Technology Readiness Level	TRL 5 — Technology validated in relevant environment (industrially relevant environment in the case of key enabling technologies)